0400

#2

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/768,826

DATE: 02/05/2001
TIME: 13:48:19

Input Set : A:\es.txt
Output Set: N:\CRF3\02052001\I768826.raw

ENTERED

See p. 5

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      2 <110> APPLICANT: Shi et al.
      4 <120> TITLE OF INVENTION: 18 human secreted proteins
      6 <130> FILE REFERENCE: PF512P1
C-->  8 <140> CURRENT APPLICATION NUMBER: US/09/768,826
      9 <141> CURRENT FILING DATE: 2001-01-25
     11 <150> PRIOR APPLICATION NUMBER: PCT/US00/22350
     12 <151> PRIOR FILING DATE: 2000-08-15
     14 <150> PRIOR APPLICATION NUMBER: 60/148,759
     15 <151> PRIOR FILING DATE: 1999-08-16
     17 <160> NUMBER OF SEQ ID NOS: 61
     19 <170> SOFTWARE: PatentIn Ver. 2.0
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     23 <211> LENGTH: 733
     24 <212> TYPE: DNA
     25 <213> ORGANISM: Homo sapiens
     27 <400> SEQUENCE: 1
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     29 aattcgaggg tgcaccgtca gtcttcctct tccccccaaa acccaaggac accctcatga     120
     30 tctcccggac cctgaggtc acatgcgtgg tggtggacgt aagccacgaa gaccctgagg     180
     31 tcaagttcaa ctggtacgtg gacggcgtgg aggtgcataa tgccaagaca aagccgcggg     240
     32 aggagcagta caacagcacg taccgtgtgg tcagcgtcct caccgtcctg caccaggact     300
     33 ggctgaatgg caaggagtac aagtgcaagg tctccaacaa agccctccca acccccatcg     360
     34 agaaaaccat ctccaaagcc aaagggcagc cccgagaacc acaggtgtac accctgcccc     420
     35 catcccggga tgagctgacc aagaaccagg tcagcctgac ctgcctggtc aaaggcttct     480
     36 atccaagcga catcgccgtg gagtgggaga gcaatgggca gccggagaac aactacaaga     540
     37 ccacgcctcc cgtgctggac tccgacggct ccttcttcct ctacagcaag ctcaccgtgg     600
     38 acaagagcag gtggcagcag gggaacgtct tctcatgctc cgtgatgcat gaggctctgc     660
     39 acaaccacta cacgcagaag agcctctccc tgtctccggg taaatgagtg cgacggccgc     720
     40 gactctagag gat                                                      733
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     45 <212> TYPE: PRT
     46 <213> ORGANISM: Homo sapiens
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     49 <221> NAME/KEY: Site
     50 <222> LOCATION: (3)
     51 <223> OTHER INFORMATION: Xaa equals any of the twenty naturally ocurring L-amino acids
     53 <400> SEQUENCE: 2
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     55  1               5
     57 <210> SEQ ID NO: 3
     58 <211> LENGTH: 86
     59 <212> TYPE: DNA
     60 <213> ORGANISM: Artificial Sequence
W--> 61 <220> FEATURE:
     62 <221> NAME/KEY: Primer_Bind
     63 <223> OTHER INFORMATION: Synthetic sequence with 4 tandem copies of the GAS binding site found in
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     64       the IRF1 promoter (Rothman et al., Immunity 1:457-468 (1994)), 18 nucleotides
     65       complementary to the SV40 early promoter, and a Xho I restriction site.
     67 <400> SEQUENCE: 3
     68 gcgcctcgag atttccccga aatctagatt tccccgaaat gatttccccg aaatgatttc       60
     69 cccgaaatat ctgccatctc aattag                                          86
     72 <210> SEQ ID NO: 4
     73 <211> LENGTH: 27
     74 <212> TYPE: DNA
     75 <213> ORGANISM: Artificial Sequence
W--> 76 <220> FEATURE:
     77 <221> NAME/KEY: Primer_Bind
     78 <223> OTHER INFORMATION: Synthetic sequence complementary to the SV40 promter; includes a Hind III
     79       restriction site.
     81 <400> SEQUENCE: 4
     82 gcggcaagct ttttgcaaag cctaggc                                         27
     85 <210> SEQ ID NO: 5
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     87 <212> TYPE: DNA
     88 <213> ORGANISM: Artificial Sequence
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     90 <221> NAME/KEY: Protein_Bind
     91 <223> OTHER INFORMATION: Synthetic promoter for use in biological assays; includes GAS binding
     92       sites found in the IRF1 promoter (Rothman et al., Immunity 1:457-468 (1994)).
     94 <400> SEQUENCE: 5
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     96 aaatatctgc catctcaatt agtcagcaac catagtcccg cccctaactc cgcccatccc      120
     97 gcccctaact ccgcccagtt ccgcccattc tccgccccat ggctgactaa ttttttttat      180
     98 ttatgcagag gccgaggccg cctcggcctc tgagctattc cagaagtagt gaggaggctt      240
     99 ttttggaggc ctaggctttt gcaaaaagct t                                    271
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    102 <211> LENGTH: 32
    103 <212> TYPE: DNA
    104 <213> ORGANISM: Artificial Sequence
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    106 <221> NAME/KEY: Primer_Bind
    107 <223> OTHER INFORMATION: Synthetic primer complementary to human genomic EGR-1 promoter sequence
    108       (Sakamoto et al., Oncogene 6:867-871 (1991)); includes a Xho I restriction site.
    110 <400> SEQUENCE: 6
    111 gcgctcgagg gatgacagcg atagaacccc gg                                   32
    114 <210> SEQ ID NO: 7
    115 <211> LENGTH: 31
    116 <212> TYPE: DNA
    117 <213> ORGANISM: Artificial Sequence
W--> 118 <220> FEATURE:
    119 <221> NAME/KEY: Primer_Bind
    120 <223> OTHER INFORMATION: Synthetic primer complementary to human genomic EGR-1 promoter sequence
    121       (Sakamoto et al., Oncogene 6:867-871 (1991)); includes a Hind III restriction
    122       site.
    124 <400> SEQUENCE: 7
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Input Set : A:\es.txt
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125 gcgaagcttc gcgactcccc ggatccgcct c
128 <210> SEQ ID NO: 8                                                    31
129 <211> LENGTH: 12
130 <212> TYPE: DNA
131 <213> ORGANISM: Homo sapiens
133 <400> SEQUENCE: 8
134 ggggactttc cc
137 <210> SEQ ID NO: 9                                                    12
138 <211> LENGTH: 73
139 <212> TYPE: DNA
140 <213> ORGANISM: Artificial Sequence
W--> 141 <220> FEATURE:
142 <221> NAME/KEY: Primer_Bind
143 <223> OTHER INFORMATION: Synthetic primer with 4 tandem copies of the NF-KB binding site
144       (GGGGACTTTCCC), 18 nucleotides complementary to the 5' end of the SV40 early
145       promoter sequence, and a XhoI restriction site.
147 <400> SEQUENCE: 9
148 gcggcctcga ggggactttc ccggggactt tccggggact ttccgggact ttccatcctg        60
149 ccatctcaat tag                                                        73
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154 <212> TYPE: DNA
155 <213> ORGANISM: Artificial Sequence
W--> 156 <220> FEATURE:
157 <221> NAME/KEY: Protein_Bind
158 <223> OTHER INFORMATION: Synthetic promoter for use in biological assays; includes NF-KB binding
159       sites.
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163 caattagtca gcaaccatag tcccgccccc aactccgccc atcccgcccc taactccgcc       120
164 cagttccgcc cattctccgc cccatggctg actaattttt tttatttatg cagaggccga       180
165 ggccgcctcg gcctctgagc tattccagaa gtagtgagga ggcttttttg gaggcctagg       240
166 cttttgcaaa aagctt                                                     256
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170 <211> LENGTH: 2247
171 <212> TYPE: DNA
172 <213> ORGANISM: Homo sapiens
174 <400> SEQUENCE: 11
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176 gctgtgcggg cggccaggga gagggcagac acagcaggag gaagaggaag aggacgagga       120
177 ccacgggcca gatgactacg acgaggaaga tgaggatgag gtggaagagg aggagaccaa       180
178 caggctccct ggtggcagga gcagagtgct gctgcggtgc tacacctgca agtccctgcc       240
179 cagggacgag cgctgcaacc tgacgcagaa ctgctcacat ggccagacct gcacaaccct       300
180 cattgcccac gggaacaccg agtcaggcct cctgaccacc cactccacgt ggtgcacaga       360
181 cagctgccag cccatcacca agacggtgga ggggacccag gtgaccatga cctgctgcca       420
182 gtccagcctg tgcaatgtcc caccctggca aagctcccga gtccaggacc caacaggcaa       480
183 gggggcaggc ggccccgggg gcagctccga aactgtgggc gcagccctcc tgctcaacct       540
184 ccttgccggc cttggagcaa tgggggccag gagaccctga cccacggccc ctccccaccc       600
185 ccacccggct caccccccgc cctgccagca ctctgtctgg taccttcccc tcctgccccc       660
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186 gcaccagctt tggagaatgg atttggagtg tcttgggcga tccagccagc gcaggccccc 720
187 ggcccggttg cttcctcagt tcccggctgt gtccttggtg tcctttctcc accacctgtg 780
188 agcagcaaga ctgccgcacg tgggcgctgg gtccagacct cggctgccac gtcccaggac 840
189 ctgcagccct cacgggggct ggggatcccc atcagcacag ccaggcagag atgataccca 900
190 ccacacacct gggggccccc acacccagtc ctcaccctta acttctgcca tgggaatttc 960
191 tccatctgca gcagtcacac gggcccaccc tgcccttccc caggtcggcc tctccgctgt 1020
192 ctggagggaa ggggatttgg agggaggctg tcgtcgcccc caggaaagac gggcctgggg 1080
193 gaggcgggac agtgggagag gcgcgctgag gatgagaggg cacagggagg tgggttgggg 1140
194 tgaggccaca tgcggagggg cgggcgggg cggggctggg gggacaggca ccaagtatga 1200
195 agaggatggg gccagcgggg cctgtctggc tgtggcgtga gcaccgctat gggagaccct 1260
196 ggcttggaaa gtgaacttgc agccttggat ggggaagggc cagatgctgg gtgggtgcct 1320
197 gtcaccttga ggtgaccatc tagggtcagt acctgctggg cttaggacag cgcctgaggc 1380
198 tgggaatacc tgtctctgct ctagcagagg ctaaagcagg ctagagcagt ggaggggtgg 1440
199 agttgatgaa aggagaggag tagatgagat ggaatttttc cagcctcatc ctggcctgcc 1500
200 ctctagactc cagtccccaa gccctcagcc tagtgggtgt catggatgga tctgggggtg 1560
201 tcagacaggc taccctgtgc cagggagggg gcagaatggg cctgcagctt cctgcagagg 1620
202 aagcaggact gggtagcaga gccgggaagg tgggtggccc attacagggg ggtccccagg 1680
203 gtgtcctctg gcagggctgt gactgctgca agctctgcct tcaccagtag ctggtgccag 1740
204 gacagagctc tgggacagca ggcagaggcc gagcctgggc cacagctcag ccactgactt 1800
205 gggtatcagt ttcccctttct gagaagtaca gagtgagact taaagaaccc ctagatcccc 1860
206 accagttcaa cactccatta actgggaagc ccagagtcct gtccggcctg ccaagttcat 1920
207 cctggtggac agcgggaggc ctccgctaac tgttctcttc ttttccttat taataaaaca 1980
208 cacaatgcct agctgggggg tcggaaggca aatgccctag atggtggggt cacgtctttc 2040
209 tccttctcct tcctccttct gctggctgaa gtgatgactg gagctcagca accactttgc 2100
210 accatgaggc agcactgagc acggtagggc agcctggtga gaggggccta gctcgctgcc 2160
211 gacagaagtc actgcctacc tcagggtccc cttacctggg tgggaaataa atttctgctg 2220
212 tgttgaaaaa aaaaaaaaaa aaaaaaa 2247
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216 <211> LENGTH: 2644
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222 aggaagcgca cgtctggtgg ccgccccggt tgccacggcc aaccctgcca ggtgcctggc 120
223 cctgaacgtc agcctgcgag agtggaccgc ccgctatggc gcagcccccg ccgcgccccg 180
224 ctgcgacgcc ctggacggag atgctgtggt gctcctgcgc gccccgcacc tcttcaacct 240
225 ctcggcgccc ctggccccgc cggtgggcac cagcctcttt ctgcagaccg ccctccgcgg 300
226 ctgggcggtg cagctgctgg acttgacctt cgccgcggcg cgccagcccc cgctggccac 360
227 ggccccacgcg cgctggaagg ctgagcgcga gggacgcgct cggcgggcgg cgctgctccg 420
228 cgcgctgggc atccgcctag tgagctggga aggcgggcgg ctggagtggt tcggctgcaa 480
229 caaggagacc acgcgctgct tcggaaccgt ggtgggcgac acgcccgcct acctctacga 540
230 ggagcgctgg acgccccccc gctgcctgcg cgcgctgcgc gagaccgccc gctatgtggt 600
231 gggcgtgctg gaggctgcgg gcgtgcgcta ctggctcgag ggcggctcac tgctgggggc 660
232 cgcccgccac ggggacatca tcccatggga ctacgacgtg gacctgggca tctacttgga 720
233 ggacgtgggc aactgcgagc agctgcgggg ggcagaggcc ggctcggtgg tggatgagcg 780
234 cggcttcgta tgggagaagg cggtcgaggg cgacttttte cgcgtgcagt acagcgaaag 840
235 caaccacttg cacgtggacc tgtggccctt ctacccccgc aatggcgtca tgaccaagga 900
236 cacgtggctg gaccaccggc aggatgtgga gtttcccgag cacttcctgc agccgctggt 960
237 gcccctgccc tttgccggct tcgtggcgca ggcgcctaac aactaccgcc gcttcctgga 1020

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238 gctcaagttc gggcccgggg tcatcgagaa ccccccagtac cccaacccgg cactgctgag     1080
239 tctgacggga agcggctgaa gccctgataa cctcgccttt gtttttcggg ggtctgtctg     1140
240 gatgtggaga agctctgtgt gagcggtgag gggtggaggg atgtcgcgga gaggggaagg     1200
241 gggaaactga ccaagaaaga aattctaagg agagcatgag agaaggctgg cattggcagg     1260
242 aggagagcac caggacgagg atgggaagcg acctccagat ttatcaaatg gtcatgccca     1320
243 ctgggagccg tggatatgcg tggggacatc ctgggtcatc tcagtcatgg agggagacgg     1380
244 ggatgtcacg ccgtcccgca gggcccagca cagccccaga cccgaaaaaa gtgttctgcc     1440
245 caagattccg agagccctgc gctctagggc aggggcagag ttttggaaac agtgcaggct     1500
246 ctggagccag actggcgaga ttcaaatcct ggctctatcg cttcggagcc aggtgggcct     1560
247 gggggggcgt cgcagtctct ctgtgcctca gttgcttcca ggatgcggga cccttggctg     1620
248 cagggttgc ttccgccact agagggcgcg ccggtcccgc tcctggtggc ccactgtggc     1680
249 tgcccggcga cagtacgccc agggccctgtg ttccatagcc atctactctc ttgagccttt     1740
250 ggacttctct ccaagccccc gtgggaggcg gacagcagtg accacctccc cttcttttgg     1800
251 actgcgacct ccttccctcc tgggagagcc ctgtgacctg catgctactc ttaactgttc     1860
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253 ggtgcggctg tggtcgagaa ccgggtgctg ggccgggcgc gggggctcac gcctgtaatc     1980
254 ccagcacttt gggaggccga ggtgggagga tcgcttgagc ccaggagtct gagaccagcc     2040
255 tcggcaacat gccaagaccc cgtctctatt tttaaaaaag aaaaagaacc gactttctgaa     2100
256 tcgcagctcc actcatgact aatacctcat tatttcagct gtctgcacct aattccccac     2160
257 ttgcacggca gtgtagacaa taaccatagc tcacactcac tgagcaccta ctgggtacca     2220
258 ggcaccattc tcagtgtttc acctggatca actaatgcgt ccctcacctc agccctctga     2280
259 agtgacagct gctattattt tcattacaca gatgaaaaag ctgaggccag aatcgtgaag     2340
260 tcacttgctc aaggtcaggc agcttaggaa ggggcagatc gggggcttga acccaggtgg     2400
261 tcaggctctg gagcccacaa ttgtcttacc cactatgccc ctctctagtc atggtcccca     2460
262 agaggggctt ggagacccac ttagcaggtg aaagcaatgg cagccttcct tatttgatta     2520
263 tgcacctaag aataaatggt atttgggcat gtattcccaa tatgtgtata tttatttata     2580
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265 aatt                                                                 2644
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269 <211> LENGTH: 1824
270 <212> TYPE: DNA
271 <213> ORGANISM: Homo sapiens
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276 caagtaggct gggcctgctg ctggcactgc tgctgcccgt ggtcggtgcc tccacgccag      180
277 gcaccgtggt ccgactcaac aaggcagcat tgagctacgt gtctgaaatt gggaaagccc      240
278 ctctccagcg ggccctgcag gtcactgtcc ctcatttcct ggactggagt ggagaggcgc      300
279 ttcagcccac caggatccgg attctgaatg tccatgtgcc ccgcctccac ctgaaattca      360
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281 ccccagagcc cctggagctg acgctgcctg tggaactgct ggctgacacc cgcgtgaccc      480
282 agagctccat caggaccccc gtggtcagca tctctgcctg ctctttattc tcgggccacg      540
283 ccaacgagtt tgatggcagt aacagcacct cccacgcgct gctggtcctg gtgcagaagc      600
284 acattaaagc tgtcttgagt aacaagctgt gcctgagcat ctccaacctg gtgcagggtg      660
285 tcaatgtcca cctgggcacc ttaattggcc tcaaccccgt gggtcctgag tcccagatcc      720
286 gctattccat ggtcagtgtg cccactgtca ccagtgacta catttccctg gaagtcaatg      780
287 ctgttctctt cctgctgggc aagcccatca tcctgcccac ggatgccacc ccttttgtgt      840
288 tgccaaggca tgtgggtacc gagggctcca tggccaccgt gggcctctcc cagcagctgt      900
289 ttgactctgc gctcctgctg ctgcagaagg ccggtgccct caacctggac atcacagggc      960
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F.Y.I.

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY
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Input Set : A:\es.txt
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L:54 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:61 M:283 W: Missing Blank Line separator, <220> field identifier
L:76 M:283 W: Missing Blank Line separator, <220> field identifier
L:89 M:283 W: Missing Blank Line separator, <220> field identifier
L:105 M:283 W: Missing Blank Line separator, <220> field identifier
L:118 M:283 W: Missing Blank Line separator, <220> field identifier
L:141 M:283 W: Missing Blank Line separator, <220> field identifier
L:156 M:283 W: Missing Blank Line separator, <220> field identifier
L:491 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:492 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:493 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:494 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:495 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:611 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:2559 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58